
APPENDIX C

AIR QUALITY

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\The Plaza.urb
Project Name: The Plaza
Project Location: Mountain Counties and Rural Counties

DETAIL REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES (Winter Pounds per Day, Unmitigated)

Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.73	0.29	0.00	-
Wood Stoves	0.00	0.00	0.00	0.00	0.00
Fireplaces	0.00	0.00	0.00	0.00	0.00
Landscaping - No winter emissions					
Consumer Prdcts	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.05	0.73	0.29	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Quality resturant	9.47	10.76	89.43	4.21	0.05
Regnl shop. center < 5700	58.00	62.67	525.71	24.20	0.29
TOTAL EMISSIONS (lbs/day)	67.47	73.43	615.14	28.41	0.33

Includes correction for passby trips.

Includes the following double counting adjustment for internal trips:

Residential trips: 0.00 % reduction. Nonresidential trips: 0.00 % reduction.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2004 Temperature (F): 50 Season: Winter

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Quality resturant	76.50 trips / 1000 sq. ft.	9.00	688.50
Regnl shop. center < 5700	66.60 trips / 1000 sq. ft.	66.50	4,428.90

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.40	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.30	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.40	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.70	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Quality resturant				8.0	4.0	88.0
Regnl shop. center < 570000 sf				2.0	1.0	97.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Quality resturant	9.13	10.38	86.22	4.06	0.05
Regnl shop. center < 5700	55.84	60.33	506.07	23.29	0.27
TOTAL EMISSIONS (lbs/day)	64.97	70.70	592.29	27.35	0.32

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2004 Temperature (F): 50 Season: Winter

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Quality resturant	76.50 trips / 1000 sq. ft.	9.00	688.50
Regnl shop. center < 5700	66.60 trips / 1000 sq. ft.	66.50	4,428.90

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.40	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.30	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.40	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.70	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Quality resturant				8.0	4.0	88.0
Regnl shop. center < 570000 sf				2.0	1.0	97.0

ENVIRONMENTAL FACTORS APPLICABLE TO THE PROJECT

Pedestrian Environment

1.0	Side Walks/Paths: Few Destinations Covered
0.0	Street Trees Provide Shade: No Coverage
1.0	Pedestrian Circulation Access: Few Destinations
3.0	Visually Interesting Uses: Moderate Number and Variety
0.0	Street System Enhances Safety: No Streets
0.5	Pedestrian Safety from Crime: Some Degree of Safety
0.0	Visually Interesting Walking Routes: No Visual Interest
5.5	<- Pedestrian Environmental Credit
5.5	/19 = 0.3 <- Pedestrian Effectiveness Factor

Transit Service

12.0	Transit Service: 31-60 Minute Bus within 1/4 Mile
12.0	<- Transit Effectiveness Credit
5.5	<- Pedestrian Factor
17.5	<-Total
17.5	/110 = 0.2 <-Transit Effectiveness Factor

Bicycle Environment

0.0	Interconnected Bikeways: No Bikeway Coverage
0.0	Bike Routes Provide Paved Shoulders: No Routes
0.0	Safe Vehicle Speed Limits: No Routes Provided
0.0	Safe School Routes: No Schools
0.0	Uses w/in Cycling Distance: No Uses w/in Cycling Distance
0.0	Bike Parking Ordinance: No Ordinance or Unenforceable
0.0	<- Bike Environmental Credit
0.0	/20 = 0.0 <- Bike Effectiveness Factor

MITIGATION MEASURES SELECTED FOR THIS PROJECT
 (All mitigation measures are printed, even if
 the selected land uses do not constitute a mixed use.)

Transit Infrastructure Measures

% Trips Reduced	Measure
15.0	Credit for Existing or Planned Community Transit Service
2.0	Provide Transit Shelters Benches
17.0	<- Totals

Pedestrian Enhancing Infrastructure Measures (Residential)

%Trips Reduced	Measure
2.0	Credit for Surrounding Pedestrian Environment
2.0	<- Totals

Pedestrian Enhancing Infrastructure Measures (Non-Residential)

% Trips Reduced	Measure
2.0	Credit for Surrounding Pedestrian Environment
1.0	Mixed Use Project (Commercial Oriented)
0.5	Provide Pedestrian Safety Designs/Infrastructure at Crossings
0.3	Articulated Storefront(s) Display Windows with Visual Interest
3.8	<- Totals

Bicycle Enhancing Infratructure Measures (Residential)

% Trips Reduced	Measure
7.0	Credit for Surrounding Bicycle Environment
7.0	<- Totals

Bike Enhancing Infrastructure Measures (Non-Residential)

% Trips Reduced	Measure
5.0	Credit for Surrounding Area Bike Environment
5.0	<- Totals

Operational Measures (Applying to Commute Trips)

% Trips Reduced	Measure
0.0	<- Totals

Operational Measures (Applying to Employee Non-Commute Trips)

% Trips Reduced	Measure
0.0	<- Totals

Operational Measures (Applying to Customer Trips)

% Trips Reduced	Measure
0.0	<- Totals

Measures Reducing VMT (Non-Residential)

VMT Reduced	Measure
0.0	<- Totals

Measures Reducing VMT (Residential)

VMT Reduced	Measure
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0.0 <- Totals

Total Percentage Trip Reduction with Environmental Factors and Mitigation Measures				
Travel Mode	Home-Work Trips	Home-Shop Trips	Home-Other Trips	
Pedestrian	0.06	0.25	0.25	
Transit	2.70	0.60	0.73	
Bicycle	0.00	0.00	0.00	
Totals	0.00	0.00	0.00	
Travel Mode	Work Trips	Employee Trips	Customer Trips	
Pedestrian	0.12	1.09	1.09	
Transit	2.70	0.05	2.70	
Bicycle	0.00	0.00	0.00	
Other	0.00	0.00	0.00	
Totals	0.00	0.00	0.00	

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\The Plaza.urb
 Project Name: The Plaza
 Project Location: Mountain Counties and Rural Counties

DETAIL REPORT
 (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 3 acres
 Retail/Office/Institutional Square Footage: 75500
 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.91	27.54	-	12.32	2.75
Const. Worker Trips	0.20	0.28	0.53	0.05	-
Stationary Equip	1.34	1.10	-	0.06	0.02
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	25.20	389.12	-	24.61	31.06
Architectural Coatings	121.46	-	-	-	-
Asphalt Offgassing	0.70	-	-	-	-
TOTALS (lbs/day, unmitigated)	151.81	418.04	0.53	37.05	33.83

CONSTRUCTION EMISSION ESTIMATES

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	0.00	-
Site Grading	2.77	26.17	-	5.15	2.61
Const. Worker Trips	0.20	0.28	0.53	0.05	-
Stationary Equip	1.34	1.10	-	0.06	0.02
Mobile Equip. - Gas	0.00	0.00	-	0.00	0.00
Mobile Equip. - Diesel	23.94	369.66	-	23.38	29.51
Architectural Coatings	115.38	-	-	-	-
Asphalt Offgassing	0.70	-	-	-	-
TOTALS (lbs/day, mitigated)	144.33	397.21	0.53	28.65	32.14

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)
 Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)
 Reduce Speeds on Unpaved Roads to 15 mph or less
 Percent Reduction(ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)
 Mobile Equipment: Properly Maintain Equipment
 Percent Reduction(ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)
 Architectural Coatings: Use Low VOC Coatings
 Percent Reduction(ROG 5% NOx 0% CO 0% PM10 0% SO2 0%)

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)

Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.73	0.29	0.00	-
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.15	0.01	1.07	0.00	0.00
Consumer Prdcts	0.00	-	-	-	-
TOTALS (lbs/day, unmitigated)	0.20	0.74	1.36	0.00	0.00

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Quality resturant	8.49	6.92	100.47	4.21	0.06
Regnl shop. center < 5700	51.92	40.46	582.42	24.20	0.33
TOTAL EMISSIONS (lbs/day)	60.41	47.38	682.89	28.41	0.38

Includes correction for passby trips.

Includes the following double counting adjustment for internal trips:

Residential trips: 0.00 % reduction. Nonresidential trips: 0.00 % reduction.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2004 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Quality resturant	76.50 trips / 1000 sq. ft.	9.00	688.50
Regnl shop. center < 5700	66.60 trips / 1000 sq. ft.	66.50	4,428.90

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.40	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.30	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.40	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.70	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Quality resturant				8.0	4.0	88.0
Regnl shop. center < 570000 sf				2.0	1.0	97.0

MITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Quality resturant	8.20	6.67	96.87	4.06	0.05
Regnl shop. center < 5700	50.05	38.94	560.67	23.29	0.31
TOTAL EMISSIONS (lbs/day)	58.25	45.62	657.54	27.35	0.37

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2004 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Quality resturant	76.50 trips / 1000 sq. ft.	9.00	688.50
Regnl shop. center < 5700	66.60 trips / 1000 sq. ft.	66.50	4,428.90

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.40	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.30	11.00	88.90	0.10
Light Truck 3,751- 5,750	16.70	1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.10	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.70	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.40	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.70	0.00	100.00	0.00

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Quality resturant				8.0	4.0	88.0
Regnl shop. center < 570000 sf				2.0	1.0	97.0

ENVIRONMENTAL FACTORS APPLICABLE TO THE PROJECT

Pedestrian Environment

1.0	Side Walks/Paths: Few Destinations Covered
0.0	Street Trees Provide Shade: No Coverage
1.0	Pedestrian Circulation Access: Few Destinations
3.0	Visually Interesting Uses: Moderate Number and Variety
0.0	Street System Enhances Safety: No Streets
0.5	Pedestrian Safety from Crime: Some Degree of Safety
0.0	Visually Interesting Walking Routes: No Visual Interest
5.5	<- Pedestrian Environmental Credit
5.5	/19 = 0.3 <- Pedestrian Effectiveness Factor

Transit Service

12.0	Transit Service: 31-60 Minute Bus within 1/4 Mile
12.0	<- Transit Effectiveness Credit
5.5	<- Pedestrian Factor
17.5	<-Total
17.5	/110 = 0.2 <-Transit Effectiveness Factor

Bicycle Environment

0.0	Interconnected Bikeways: No Bikeway Coverage
0.0	Bike Routes Provide Paved Shoulders: No Routes
0.0	Safe Vehicle Speed Limits: No Routes Provided
0.0	Safe School Routes: No Schools
0.0	Uses w/in Cycling Distance: No Uses w/in Cycling Distance
0.0	Bike Parking Ordinance: No Ordinance or Unenforceable
0.0	<- Bike Environmental Credit
0.0	/20 = 0.0 <- Bike Effectiveness Factor

MITIGATION MEASURES SELECTED FOR THIS PROJECT
 (All mitigation measures are printed, even if
 the selected land uses do not constitute a mixed use.)

Transit Infrastructure Measures

% Trips Reduced	Measure
15.0	Credit for Existing or Planned Community Transit Service
2.0	Provide Transit Shelters Benches
17.0	<- Totals

Pedestrian Enhancing Infrastructure Measures (Residential)

%Trips Reduced	Measure
2.0	Credit for Surrounding Pedestrian Environment
2.0	<- Totals

Pedestrian Enhancing Infrastructure Measures (Non-Residential)

% Trips Reduced	Measure
2.0	Credit for Surrounding Pedestrian Environment
1.0	Mixed Use Project (Commercial Oriented)
0.5	Provide Pedestrian Safety Designs/Infrastructure at Crossings
0.3	Articulated Storefront(s) Display Windows with Visual Interest
3.8	<- Totals

Bicycle Enhancing Infratructure Measures (Residential)

% Trips Reduced	Measure
7.0	Credit for Surrounding Bicycle Environment
7.0	<- Totals

Bike Enhancing Infrastructure Measures (Non-Residential)

% Trips Reduced	Measure
5.0	Credit for Surrounding Area Bike Environment
5.0	<- Totals

Operational Measures (Applying to Commute Trips)

% Trips Reduced	Measure
0.0	<- Totals

Operational Measures (Applying to Employee Non-Commute Trips)

% Trips Reduced	Measure
0.0	<- Totals

Operational Measures (Applying to Customer Trips)

% Trips Reduced	Measure
0.0	<- Totals

Measures Reducing VMT (Non-Residential)

VMT Reduced	Measure
0.0	<- Totals

Measures Reducing VMT (Residential)

VMT Reduced	Measure
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0.0 <- Totals

Total Percentage Trip Reduction with Environmental Factors and Mitigation Measures				
Travel Mode	Home-Work Trips	Home-Shop Trips	Home-Other Trips	Trips
Pedestrian	0.06	0.25	0.25	
Transit	2.70	0.60	0.73	
Bicycle	0.00	0.00	0.00	
Totals	0.00	0.00	0.00	
Travel Mode	Work Trips	Employee Trips	Customer Trips	
Pedestrian	0.12	1.09	1.09	
Transit	2.70	0.05	2.70	
Bicycle	0.00	0.00	0.00	
Other	0.00	0.00	0.00	
Totals	0.00	0.00	0.00	

Changes made to the default values for Construction

The asphalt option switch changed from off to on.
The construction year changed from 2000 to 2004.
The site grading max daily acreage estimate changed from to 1.
The site grading tracked loader total vehicles changed from to 1.
The site grading wheeled loader total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker average trip length changed from 10 to 15.
The worker construction year changed from 2002 to 2004.
The asphalt acres to be paved changed from 1 to 4.8.
The asphalt total days of paving changed from 10 to 18.
The stationary equipment equipment units changed from 2 to 8.
The mobile diesel fork lift 175 HP total vehicles changed from to 8.
The mobile diesel truck: off hwy total vehicles changed from to 8.
The mobile diesel tracked tractor total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0
has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
has been changed from off to on.
Mitigation measure Architectural Coatings: Use Low VOC Coatings: 5
has been changed from off to on.
Changes made to the default values for Area

The wood stove option switch changed from on to off.
The fireplace option switch changed from on to off.
The landscape option switch changed from off to on.
The area source mitigation measure option switch changed from on to off.
The landscape year changed from 2002 to 2005.
Changes made to the default values for Operations

The double counting option switch changed from off to on.
The operational emission year changed from 2002 to 2004.
The operational winter temperature changed from 75 to 50.
The operational winter selection item changed from 6 to 2.
The operational summer temperature changed from 75 to 95.
The operational summer selection item changed from 6 to 8.
The double counting option changed from 1 to 0.
The travel mode environment settings changed from both to: non-residential
The default/noddefault travel setting changed from nodefault to: nodefault
Side Walks/Paths: No Sidewalks
changed to: Side Walks/Paths: Few Destinations Covered
Pedestrian Circulation Access: No Destinations
changed to: Pedestrian Circulation Access: Few Destinations
Visually Interesting Uses: No Uses Within Walking Distance
changed to: Visually Interesting Uses: Moderate Number and Variety
Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: Some Degree of Safety
Transit Service: Dial-A-Ride or No Transit Service
changed to: Transit Service: 31-60 Minute Bus within 1/4 Mile
Mitigation measure Provide Transit Shelters Benches:2
has been changed from off to on.
Mitigation measure Mixed Use Project (Commercial Oriented):1

has been changed from off to on.

Mitigation measure Provide Pedestrian Safety Designs/Infrastructure at Crossings:0.5

has been changed from off to on.

Mitigation measure Articulated Storefront(s) Display Windows with Visual Interest:0.25

has been changed from off to on.

Mitigation measuremitop5: Park and Ride Lots

has been changed from on to off.

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\The Plaza 2010.ur
Project Name: The Plaza
Project Location: Mountain Counties and Rural Counties

SUMMARY REPORT
(Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.00	0.00	0.00	0.00	0.00

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.12	0.74	0.84	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	48.78	33.57	533.28	28.37	0.25
TOTALS (ppd, mitigated)	47.03	32.33	513.48	27.32	0.24

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\The Plaza 2010.ur
Project Name: The Plaza
Project Location: Mountain Counties and Rural Counties

SUMMARY REPORT
(Pounds/Day - Winter)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.00	0.00	0.00	0.00	0.00

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.05	0.73	0.29	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	54.68	52.24	482.11	28.37	0.20
TOTALS (ppd, mitigated)	52.65	50.30	464.20	27.32	0.19

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\The Plaza 2020.ur
Project Name: The Plaza
Project Location: Mountain Counties and Rural Counties

SUMMARY REPORT
(Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.00	0.00	0.00	0.00	0.00

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.12	0.74	0.84	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	28.62	20.06	384.73	28.34	0.25
TOTALS (ppd, mitigated)	27.60	19.31	370.44	27.29	0.24

URBEMIS 2001 For Windows 6.2.1

File Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\The Plaza 2020.ur
 Project Name: The Plaza
 Project Location: Mountain Counties and Rural Counties

SUMMARY REPORT
 (Pounds/Day - Winter)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.00	0.00	0.00	0.00	0.00

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (lbs/day, unmitigated)	0.05	0.73	0.29	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	PM10	SO2
TOTALS (ppd, unmitigated)	31.69	32.12	346.67	28.34	0.20
TOTALS (ppd, mitigated)	30.51	30.93	333.80	27.29	0.19